

## EAST Search History

Ref. #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	449	382/173.cor.	US-PGPUB; USPAT	ADJ	ON	2006/09/26 09:45
S2	206	382/176.cor.	US-PGPUB; USPAT	ADJ	ON	2006/09/25 10:41
S3	60	358/464.cor.	US-PGPUB; USPAT	ADJ	ON	2006/08/29 16:12
S4	1168	382/173.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/08/29 16:12
S5	499	382/176.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/08/29 16:12
S6	351	358/464.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/08/29 16:12
S7	1898	S4 or S5 or S6	US-PGPUB; USPAT	ADJ	ON	2006/08/29 16:15
S8	68170	text and (graphic or drawing) and (photo\$5 or picture)	US-PGPUB; USPAT	ADJ	ON	2006/08/29 16:16
S9	457	S7 and S8	US-PGPUB; USPAT	ADJ	ON	2006/09/05 08:31
S10	715	S1 or S2 or S3	US-PGPUB; USPAT	ADJ	ON	2006/08/29 16:17
S11	207	S10 and S8	US-PGPUB; USPAT	ADJ	ON	2006/08/29 16:25
S12	3	((("6240205") or ("5778092") or ("6608928"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/08/29 16:34
S14	1	"20020003897"	US-PGPUB; USPAT	ADJ	ON	2006/09/26 14:21
S15	453	382/173.cor.	US-PGPUB; USPAT	ADJ	ON	2006/09/05 07:55
S16	453	382/173.cor.	US-PGPUB; USPAT	ADJ	ON	2006/09/05 08:11
S18	1283361	"9" and (overla\$4 or overlap\$4 or sequenc\$5)	US-PGPUB; USPAT	ADJ	ON	2006/09/05 08:33
S19	1173	382/173.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/09/05 08:33
S20	501	382/176.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/09/05 08:33
S21	351	358/464.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/09/05 08:33
S22	1904	S19 or S20 or S21	US-PGPUB; USPAT	ADJ	ON	2006/09/05 08:33
S23	68414	text and (graphic or drawing) and (photo\$5 or picture)	US-PGPUB; USPAT	ADJ	ON	2006/09/05 08:36

## EAST Search History

S24	458	S22 and S23	US-PGPUB; USPAT	ADJ	ON	2006/09/05 08:37
S25	301	S24 and (overla\$4 or overlap\$4 or sequenc\$5)	US-PGPUB; USPAT	ADJ	ON	2006/09/05 08:37
S26	69398	text and (graphic or drawing) and (photo or photograph\$3 or picture)	US-PGPUB; USPAT	ADJ	ON	2006/09/05 08:37
S28	484	S22 and S26	US-PGPUB; USPAT	ADJ	ON	2006/09/05 08:37
S29	319	S28 and (overla\$4 or overlap\$4 or sequenc\$5)	US-PGPUB; USPAT	ADJ	ON	2007/03/20 08:11
S30	1	("6701010").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/05 14:56
S31	1198	345/629.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/09/05 14:56
S32	378	345/634.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/09/05 14:56
S33	22	345/637.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/09/05 14:56
S34	1524	S31 or S32 or S33	US-PGPUB; USPAT	ADJ	ON	2006/09/05 14:56
S35	1405307	(overla\$4 or overlap\$4 or sequenc\$5)	US-PGPUB; USPAT	ADJ	ON	2007/03/19 10:24
S36	253	S23 and S35 and S34	US-PGPUB; USPAT	ADJ	ON	2006/09/05 15:00
S37	536300	(overla\$4 or overlap\$4) and (priority or order or sequenc\$5)	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:44
S38	192	S23 and S37 and S34	US-PGPUB; USPAT	ADJ	ON	2006/09/05 15:01
S39	1459404	(overla\$4 or overlap\$4 or layer) and (priority or order or sequenc\$5)	US-PGPUB; USPAT	ADJ	ON	2006/09/05 15:01
S40	216	S23 and S39 and S34	US-PGPUB; USPAT	ADJ	ON	2006/09/05 15:02
S41	330143	(filled or unfilled) and (closed or enclosed)	US-PGPUB; USPAT	ADJ	ON	2006/09/05 15:03
S42	13865	(filled or unfilled) near3 (closed or enclosed)	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:29
S43	127948	"382".clas. or "345".clas. or "358".clas.	US-PGPUB; USPAT	ADJ	ON	2006/09/05 15:04
S44	151	S42 and S43	US-PGPUB; USPAT	ADJ	ON	2006/09/05 15:08
S45	0	S40 and S44	US-PGPUB; USPAT	ADJ	ON	2006/09/05 15:05
S46	1	S28 and S44	US-PGPUB; USPAT	ADJ	ON	2006/09/05 15:05

## EAST Search History

S47	14053	(closed or enclosed) with (recogniz\$4 or identif\$4)	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:32
S48	127948	"382".clas. or "345".clas. or "358". clas.	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:11
S50	54	(\$2fill\$3 or colored) near3 (closed or enclosed) with (recogniz\$4 or identif\$4)	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:32
S54	6	S48 and S50	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:37
S55	3478902	(priorit\$5 or order\$3 or sequenc\$5)	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:38
S56	68414	text and (graphic or drawing) and (photo\$5 or picture)	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:40
S57	6439	text same (graphic or drawing) same (photo\$5 or picture)	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:40
S58	5959	S55 and S57	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:40
S59	881	S55 same S57	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:44
S60	1198	345/629.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:41
S61	378	345/634.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:41
S62	22	345/637.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:41
S63	1524	S60 or S61 or S62	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:41
S64	6	S59 and S63	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:41
S65	1854246	(overla\$4 or overlap\$4 or layer)	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:45
S66	93	S59 same S65	US-PGPUB; USPAT	ADJ	ON	2006/09/06 09:59
S67	487	S59 and S65	US-PGPUB; USPAT	ADJ	ON	2006/09/06 08:45
S68	1	("20040136609").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 10:21
S69	1	("6701010").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 10:21
S70	1	("7054029").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 11:20
S71	453	382/173.cor.	US-PGPUB; USPAT	ADJ	ON	2006/09/06 14:54

## EAST Search History

S72	1	("7027647").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 14:54
S73	1	("20020003897").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/20 11:32
S74	1	10/689669	US-PGPUB; USPAT	ADJ	ON	2006/09/22 09:33
S75	1424163	closed or enclosed	US-PGPUB; USPAT	ADJ	ON	2006/09/22 09:33
S76	56062	S75 and graphic	US-PGPUB; USPAT	ADJ	ON	2006/09/22 09:34
S77	2312287	sequenc\$4 or layer\$4 or stack\$4	US-PGPUB; USPAT	ADJ	ON	2006/09/22 09:35
S78	156455	S75 same S77	US-PGPUB; USPAT	ADJ	ON	2006/09/22 09:54
S79	961871	image or graphic	US-PGPUB; USPAT	ADJ	ON	2006/09/22 09:36
S80	31929	S78 and S79	US-PGPUB; USPAT	ADJ	ON	2006/09/22 09:36
S81	129036	"382".clas. or "358".clas. or "345". clas.	US-PGPUB; USPAT	ADJ	ON	2006/09/22 13:36
S82	2241	S80 and S81	US-PGPUB; USPAT	ADJ	ON	2006/09/22 09:37
S83	16584	S75 same S77 same order	US-PGPUB; USPAT	ADJ	ON	2006/09/22 09:58
S84	343	S83 and S81	US-PGPUB; USPAT	ADJ	ON	2006/09/22 10:16
S85	1	10/689339	US-PGPUB; USPAT	ADJ	ON	2006/09/22 10:34
S86	4048667	(priorit\$4 or order or precedence or arrang\$5 or sequenc\$4)	US-PGPUB; USPAT	ADJ	ON	2006/09/22 10:41
S87	298707	(text or character) and (graphic or image or photo\$5)	US-PGPUB; USPAT	ADJ	ON	2006/09/22 10:42
S88	144611	(text or character) same (graphic or image or photo\$5)	US-PGPUB; USPAT	ADJ	ON	2006/09/22 10:42
S89	120828	(text or character) with (graphic or image or photo\$5)	US-PGPUB; USPAT	ADJ	ON	2006/09/22 10:42
S90	27849	S86 same S89	US-PGPUB; USPAT	ADJ	ON	2006/09/22 10:43
S91	1904	382/176,180,584,302,305,306.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/09/22 10:43
S92	2048	345/629-637.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/09/22 10:44
S93	27	S91 and S92	US-PGPUB; USPAT	ADJ	ON	2006/09/22 10:44

## EAST Search History

S94	3925	S91 or S92	US-PGPUB; USPAT	ADJ	ON	2006/09/22 10:44
S95	814	S90 and S94	US-PGPUB; USPAT	ADJ	ON	2006/09/22 10:44
S96	184781	"382".clas. or "358".clas. or "345". clas. or "348".clas.	US-PGPUB; USPAT	ADJ	ON	2006/09/22 13:37
S97	170704	S75 with S86	US-PGPUB; USPAT	ADJ	ON	2006/09/22 13:38
S99	3609	S96 and S97	US-PGPUB; USPAT	ADJ	ON	2006/09/22 13:38
S10 0	151	(S75 with S86) same S88	US-PGPUB; USPAT	ADJ	ON	2006/09/22 13:39
S10 1	73	S100 and S96	US-PGPUB; USPAT	ADJ	ON	2006/09/22 13:39
S10 2	1	("5267333").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/25 09:11
S10 3	3203032	order	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:12
S10 4	1139264	order and "48"	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:12
S10 5	129036	"382".clas. or "345".clas. or "358". clas.	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:12
S10 6	100484	order and S105	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:13
S10 7	407982	order same (front or foreground or top)	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:17
S10 8	14507	S107 and S105	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:16
S10 9	183010	order with (front or foreground or top)	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:17
S11 0	7080	S105 and S109	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:17
S11 1	994	order with (front or foreground or top) same text	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:17
S11 2	253	S111 and S105	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:21
S11 3	2652	closed area	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:22
S11 5	3203032	order	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:22
S11 6	2000	S113 and S115	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:30
S11 7	261	S113 same S115	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:30

## EAST Search History

S118	96	S113 with S115	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:31
S119	16	S118 and S105	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:31
S120	37	S117 and S105	US-PGPUB; USPAT	ADJ	ON	2006/09/25 09:31
S122	1	filled closed area	US-PGPUB; USPAT	ADJ	ON	2006/09/25 10:12
S123	2430	filled closed	US-PGPUB; USPAT	ADJ	ON	2006/09/25 10:13
S124	14	S105 and S123	US-PGPUB; USPAT	ADJ	ON	2006/09/25 10:13
S125	2898160	layer\$3 or tier\$3 or level\$3	US-PGPUB; USPAT	ADJ	ON	2006/09/25 10:42
S126	4037486	sequenc\$3 or order\$3 or arrang\$3 or arrangement	US-PGPUB; USPAT	ADJ	ON	2006/09/25 10:43
S127	1162709	S125 same S126	US-PGPUB; USPAT	ADJ	ON	2006/09/25 10:47
S128	722799	S125 with S126	US-PGPUB; USPAT	ADJ	ON	2006/09/25 10:46
S129	20	background same foreground	US-PGPUB; USPAT	ADJ	ON	2006/09/25 10:49
S130	22862	S105 and S128	US-PGPUB; USPAT	ADJ	ON	2006/09/25 10:46
S131	181568	S125 same S126 same line	US-PGPUB; USPAT	ADJ	ON	2006/09/25 10:49
S132	10282	S131 and S105	US-PGPUB; USPAT	ADJ	ON	2006/09/25 10:49
S133	6438	S125 same S126 same line same object	US-PGPUB; USPAT	ADJ	ON	2006/09/25 10:55
S134	771	S133 and S105	US-PGPUB; USPAT	ADJ	ON	2006/09/25 13:24
S135	1	("7054029").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/25 13:36
S136	2	09/434404	US-PGPUB; USPAT	ADJ	ON	2006/09/25 14:31
S137	1	("7027647").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/25 15:10
S138	1	("6324305").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/25 15:22
S139	1	("5060980").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/25 15:24
S140	1	("5251271").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/26 06:28

## EAST Search History

S14 1	1	10/689669	US-PGPUB; USPAT	ADJ	ON	2006/09/26 06:28
S14 2	82	358/450.cor.	US-PGPUB; USPAT	ADJ	ON	2006/09/26 10:26
S14 3	512	358/450.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/09/26 09:45
S14 4	498	358/453.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/09/26 09:45
S14 5	67	358/453.cor.	US-PGPUB; USPAT	ADJ	ON	2006/09/26 10:00
S14 6	9898	Solid (image or area)	US-PGPUB; USPAT	ADJ	ON	2006/09/26 11:00
S14 7	302659	overlaid or overlay\$3 or superimpos\$5	US-PGPUB; USPAT	ADJ	ON	2006/09/26 11:00
S14 8	2184	S146 and S147	US-PGPUB; USPAT	ADJ	ON	2006/09/26 10:27
S14 9	381	S146 same S147	US-PGPUB; USPAT	ADJ	ON	2006/09/26 10:27
S15 0	70	S146 with S147	US-PGPUB; USPAT	ADJ	ON	2006/09/26 10:27
S15 1	8985	transparent (image or area or object)	US-PGPUB; USPAT	ADJ	ON	2006/09/26 13:11
S15 2	4165941	overlaid or overlay\$3 or superimpos\$5 or layer\$3 or order\$3 or arrang\$5	US-PGPUB; USPAT	ADJ	ON	2006/09/26 14:16
S15 3	2117	S151 with S152	US-PGPUB; USPAT	ADJ	ON	2006/09/26 11:02
S15 4	3743	S151 same S152	US-PGPUB; USPAT	ADJ	ON	2006/09/26 11:04
S15 5	129186	"382".clas. or "358".clas. or "345". clas.	US-PGPUB; USPAT	ADJ	ON	2006/09/26 11:04
S15 6	405	S154 and S155	US-PGPUB; USPAT	ADJ	ON	2006/09/26 11:05
S15 9	225	S153 and S155	US-PGPUB; USPAT	ADJ	ON	2006/09/26 11:05
S16 0	3010502	line	US-PGPUB; USPAT	ADJ	ON	2006/09/26 14:18
S16 1	614901	S160 with S152	US-PGPUB; USPAT	ADJ	ON	2006/09/26 14:18
S16 3	4036562	(image or area or object)	US-PGPUB; USPAT	ADJ	ON	2006/09/26 14:21
S16 6	92288	S163 with S161	US-PGPUB; USPAT	ADJ	ON	2006/09/26 13:14

## EAST Search History

S16 7	13633	S166 and S155	US-PGPUB; USPAT	ADJ	ON	2006/09/26 13:16
S16 8	43810	extract\$3 with line	US-PGPUB; USPAT	ADJ	ON	2006/09/26 13:16
S16 9	1750	S167 and S168	US-PGPUB; USPAT	ADJ	ON	2006/09/26 13:17
S17 0	459	S169 and @rlad<"20021023"	US-PGPUB; USPAT	ADJ	ON	2006/09/26 13:18
S17 1	1672135	overlaid or overlay\$3 or superimpos\$5 or layer\$3	US-PGPUB; USPAT	ADJ	ON	2006/09/26 14:16
S17 2	4381883	overlaid or overlay\$3 or superimpos\$5 or layer\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/26 14:17
S17 3	6333477	line	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/26 14:18
S17 4	3010502	line	US-PGPUB; USPAT	ADJ	ON	2006/09/26 14:18
S17 5	9687603	(image or area or object)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/26 14:21
S17 6	4381883	overlaid or overlay\$3 or superimpos\$5 or layer\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/26 14:22
S17 7	3010502	line	US-PGPUB; USPAT	ADJ	ON	2006/09/26 14:22
S17 8	31482	S175 with S177 with S176	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/26 14:24



## EAST Search History

S17 9	129186	"382".clas. or "358".clas. or "345". clas.	US-PGPUB; USPAT	ADJ	ON	2006/09/26 14:24
S18 0	2501	S179 and S178	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/26 14:24
S18 1	687	S180 and @rlad<"20051023"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 07:26
S18 2	1	10/689669	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 08:16
S18 3	1	09/878272	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 08:16
S18 4	19403	(overla\$4 or overlap\$4) near3 sequenc\$5	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/03/19 10:25
S18 5	742	S184 same image	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/03/19 10:27
S18 6	23597265	(@ad<="20021023" or @rlad<="20021023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/03/19 10:28
S18 7	612	S185 and S186	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/03/19 10:30

## EAST Search History

S18 8	6072890	object or area	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/03/19 10:31
S18 9	472	S184 with S188	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/03/19 10:32
S19 0	96	S189 same image	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/03/19 10:32
S19 1	81	S186 and S190	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/03/19 14:30
S19 2	1	10/507419	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/03/19 14:34
S19 3	1	10/508458	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/03/19 14:36
S19 4	1197	layer with sequenc\$5 with object	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	ON	2007/03/20 08:11
S19 5	1247	layer\$3 with sequenc\$5 with object	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	ON	2007/03/20 08:11
S19 6	223	S195 same image	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	ON	2007/03/20 08:12
S19 7	23598478	(@ad<="20021023" or @rlad<="20021023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/03/20 08:12

## EAST Search History

S19 8	182	S196 and S197	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	ON	2007/03/20 09:05
S19 9	1	("5060171").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/20 09:06
S20 0	1	("5966454").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/20 09:07
S20 1	1	("6144890").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/20 09:07